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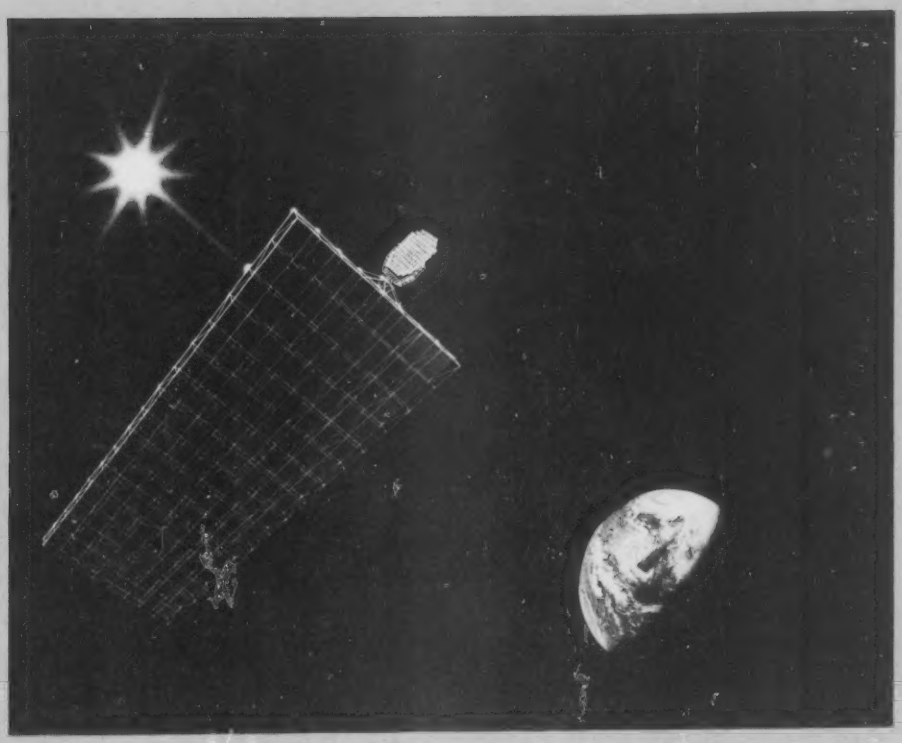

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SPACE SOLAR POWER REVIEW

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Cover: A Grumman Aerospace Corporation concept of a large, self-deploying space antenna. Employing more than 100,000 electronic modules, this solar powered 200 ft radar antenna could be deployed from a Space Shuttle Orbiter. Portions of this antenna are under development under D.A.R.P.A. and Air Force contracts. Under a NASA contract, Grumman Aerospace Corporation is studying the feasibility of similar shuttle developed antennas as large as 600 ft.

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SPACE SOLAR POWER REVIEW

AIMS AND SCOPE

Space Solar Power Review is a common forum for the formal discussion of all aspects of the deployment of space energy systems which contribute to the analysis of the feasibility and practicality of space solar power.

The Editor welcomes papers of a basic research as well as research and development character, pertaining to space solar power systems. This includes ground or space experiments pertaining to the solar power satellites; studies of environmental questions such as lightning or space plasma interactions, or ionospheric or atmospheric effects; microwave interactions both on electronic and biologic systems; technical papers on SPS or energy transmission satellite design and development; innovative ideas on the use of space for energy related systems; and new energy conversion or transmission devices appropriate for space applications.

Papers on human factors, including considerations of health and well-being of astroworkers are invited, as are papers on the historical, sociological, psychological, legal, and anthropological aspects of space industrialization. Studies on the financing of large space energy systems and governmental interactions and incentivizing are welcome, as are comparative studies of various energy systems.

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